

2006/2007 Inventors of Google StreetView



Immersive Media, a Canadian company that specializes in the fast-growing world of "spherical video"—aka mapping the world for Google and beyond.

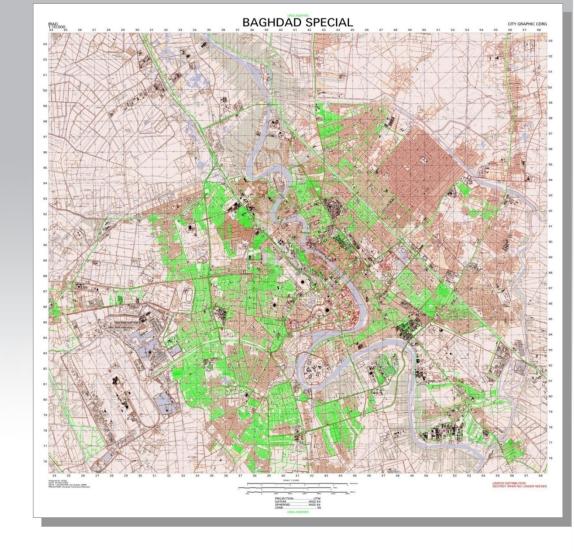
Riding Shotgun with Google Street View By Wayne Ma Published on: November 19, 2007 Popular Mechanics



2008 FOUNDERS OF MAPQUEST 360VIEW



2009 US ARMY PATROLVIEW







Who uses 360 video?





























































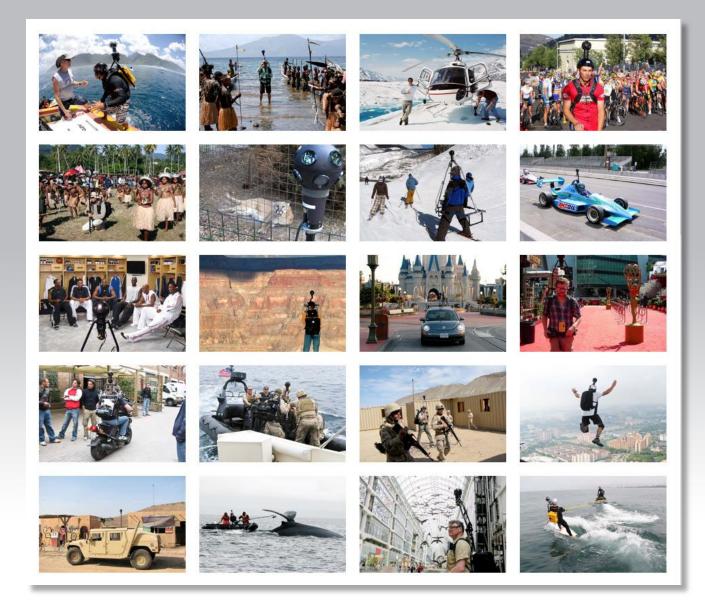












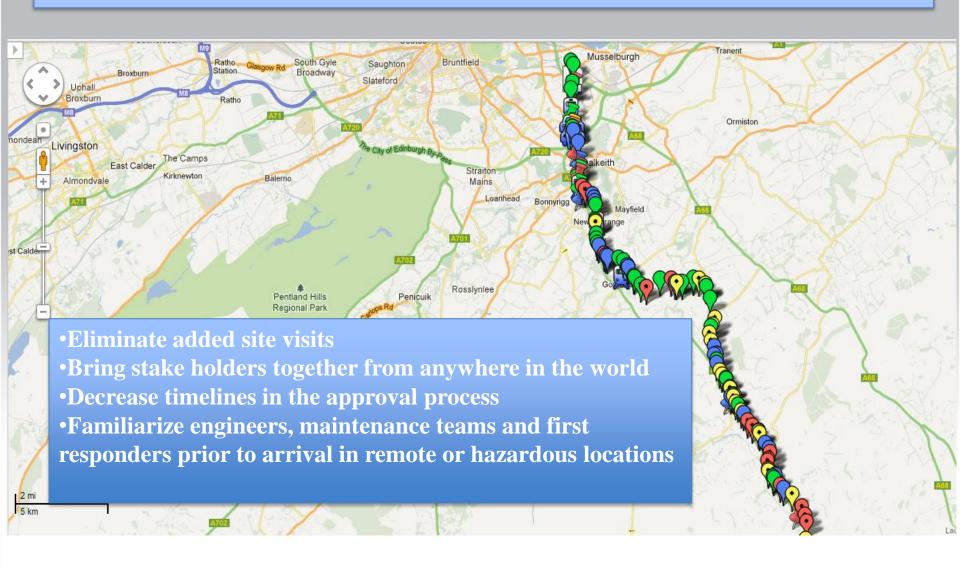
IM PATENTED WORKFLOW

18 Patents; & 7 Patents Pending in 49 Countries



Distribution Platform

Why use Georeferenced 360 Video?





Collection Process

Immersive Media's production services are broken down into a 4 stage process

- Pre-collection Planning
- Collection/Capture
- Post Processing
- Delivery and Integration



Pre-Collection Planning

Collections are planned before hand and will be discussed in the initial scope of the project. This helps the collection run smoothly and greatly reduces the post processing time.

Collection plans can follow a general guideline (main roads, exchanges, points of interest), or be very specific.

Specific collections will be identified beforehand using street maps then each shot will be planned for efficient collection and to generate shots of sufficient length.

Restricted zones, if identified, will be avoided

Collection Log Sheets

A custom made template is used in order to plan and track multiple shots throughout the collection.

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1	Date	Master Shot#	Scene #	In Time	Out Time		Site ST/Direction	On a colorina
83	19-Sep	10.12.53	Scene #	10:13:14	10:16:49	3.58	Carlton St E	Description bbw Main St & Jefferson Ave
84	19-Sep	10.12.55	1	10:13:14	10:24:10	5.05	High St W	bby Genesee St & Main St
85	19-Sep		2	10:25:22	10:32:49	7.45	Michigan Ave S	btw East North St & Park Ave
86	19-Sep		3	10:34:41	10:35:55	1.23	Scott St W	blw Michigan Ave & Main St
87	19-Sep		4	10:35:51	10:36:19	0.47	Hanover St W	btw Main St & Pearl St
88	19-Sep		5	10:36:13	10:38:11	1.97	Marine Dr NW	bbw Pearl St & Pearl St
89	19-Sep		6	10:39:01	10:43:11	4.17	Perry St E	btw Main St & Hamburg St
90	19-Sep	10.45.19	0	10:45:39	10:49:35	3.93	Exchange StW	btw Smith St & Pearl St
91	19-Sep	10.40.10	1	10:49:30	10:49:58	0.47	Upper Terrace St NW	bby Pearl St & West Seneca St
92	19-Sep		2	10:49:54	10:56:58	7.07	Franklin St N	btw West Seneca St & North St
93	19-Sep	11.10.04	- O	11:10:22	11:17:40	7.30	Pearl St S	btw Goodwell St & Hanover St
94	19-Sep		1	11:21:11	11:21:39	0.47	Charles St NE	btw Bingham St & Lower Terrace St
95	19-Sep		2	11:24:52	11:27:33	2.68	West Eagle St W	bbw Pearl St & South Elmwood Ave
96	19-Sep		3	11:27:44	11:29:23	1.65	7 St N	bby West Genesee St & Carolina St
97	19-Sep		4	11:30:01	11:30:43	0.70	Whitney PI SE	btw Carolina St & Georgia St
98	19-Sep		5	11:31:41	11:32:08	0.45	Rabin Terr NW	btw West Huron St & Georgia St
99	19-Sep		6	11:32:03	11:32:36	0.55	Prospect Ave NW	btw Georgia St & Carolina St
100		11.35.09	0	11:35:53	11:40:15	4.37	Chippewa StW	btw Genesee St & Whitney PI
101	19-Sep		1	11:40:11	11:41:01	0.83	Georgia St SW	btw Whitney PI & Niagara St
102	19-Sep		2	11:41:55	11:42:46	0.85	Bean Alley S	btw West Huron St & West Mohawk St
			3	11:42:42	11:43:56	1.23	West Mohawk St W	btw Bean Alley & 7 St
104			4	11:44:14	11:44:48	0.57	Court St E	btw 7 St & South Elmwood Ave
105			- 5	11:45:09	11:45:32	0.38	Perkins Dr E	btw South Elmwood Ave & Niagara Sq
106			6	11:46:07	11:46:30	0.38	West Genesee St NE	btw Niagara Sq & Franklin St
107	19-Sep		7	11:49:28	11:49:52	0.40	East Mohawk St W	bbw Ellicott St & DE
108		11.57.24	0	11:58:35	12:04:20	5.75	Swan St W	btw Emslie St & Franklin St
109			1	12:84:14	12:07:59	3.75	Erie St W	btw Franklin St & DE
110		12.14.31	0	12:15:14	12:16:32	1.30	Hamburg St N	btw South Park Ave & Swan St
111			1	12:16:41	12:29:54	13.22	Jefferson Ave N	btw Swan St & Main St
112		12.53.47	0	12:56:08	13:22:59	26.85	Genesee St SW	btw Transit Rd & East Huron St
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Street View Collection Method



Optional Quattro Camera System







Additional Methods of Capture



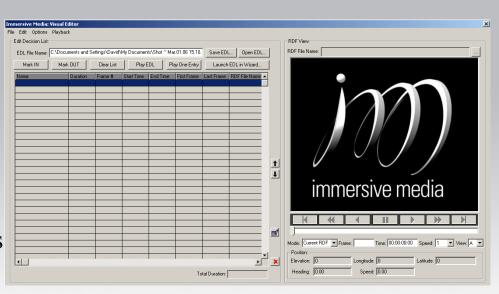


Post-Collection Editing

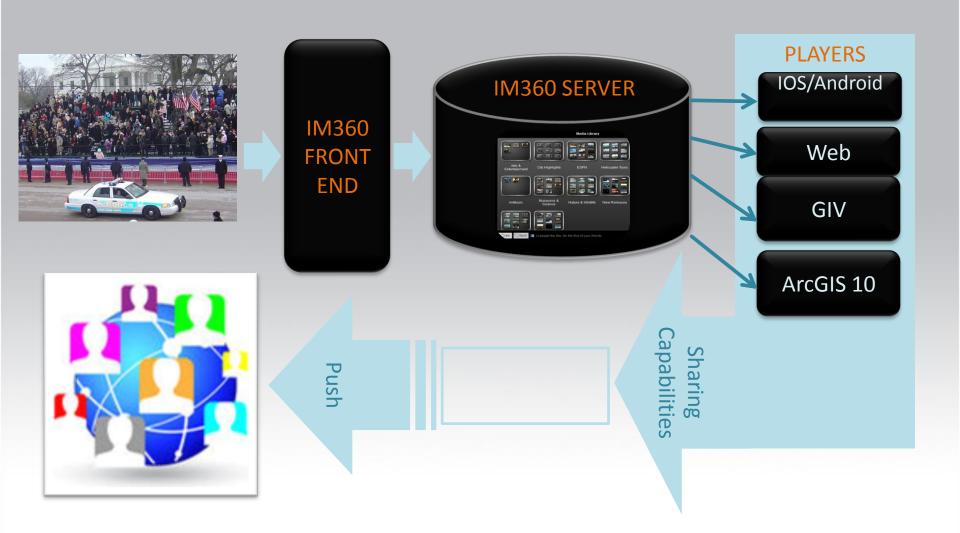
Edit Decision List - EDL

An EDL can be imported from the edits made on the base unit, or it can be created using the visual editor in the Immersive Media

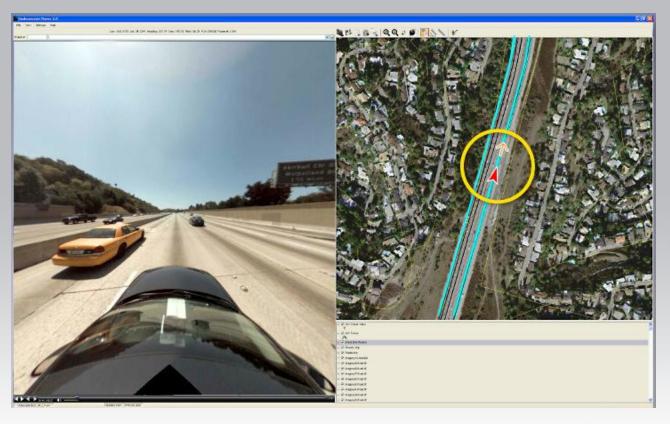
Post Production Suite.
This is done by scrolling through the Raw Data
Files (RDF) and choosing where you want to start and end your scenes.
Collected video is edited down to the specific videos needed to integrate into IM Players.



IM DISTRIBUTION PLATFORM



GeoImmersive Viewer



The IM GeoImmersive Viewer is a three-paned window that simultaneously displays interactive immersive videos and an associated map displaying layers of overlays. Typical layers permit showing the route where the imagery was captured, imported asset shape files, and a full graphics layer. Built in tools for creating graphics and importing video make it an all-in-one standalone solution that permits sharing of geospatial information across an organization and with subcontractors, zoning officials, and the public.

IM OnScene™

to retrieve 360 video of specified areas

Images can be merged with floorplans, maps, blueprints



Basemap360 GIS Server





IM FLASH SDK



IM360[™]SDK



Mobile

iPhone/iPad iOS SDK Android SDK

The Impact...



- Means easy access, anywhere
- Provides users with ultimate interactivity challenging conventional viewing
- Empowers viewers with data-rich, visual location intelligence
- Viewer independence and control
- Improves communication and collaboration across an organization
- Reduces multiple field trips, project costs and timelines

